

SequenceListing  
SEQUENCE LISTING

<110> SANKT-PETERBURGSKAYA OBSCHESTVENNAYA ORGANIZATSIYA  
"SANKT-PETERBURGSKIY INSTITUT BIREGULYATSII I GERONTOLOGII SZO  
RAMN"  
<120> Tetrapeptide regulating blood glucose level in diabetes mellitus  
<130> 252185  
<140> US 10/580,957  
<141> 2006-05-30  
<150> RU 2003135605  
<151> 2003-12-10  
<160> 2  
<170> PatentIn version 3.5  
<210> 1  
<211> 4  
<212> PRT  
<213> Artificial Sequence  
<220>  
<223> Tetrapeptide Lys-Glu-Asp-Trp-NH<sub>2</sub> regulates glucose level in the  
organism in diabetes mellitus by increasing insulin secretion and  
tissue sensitivity to it.  
<400> 1

Lys Glu Asp Trp  
1

<210> 2  
<211> 4  
<212> PRT  
<213> Artificial Sequence  
<220>  
<223> Synthetic intermediate with double benzylloxycarbonyl protection  
on Lys and benzyl ester protection on Glu and Asp

<220>  
<221> MOD\_RES  
<222> (1)..(1)  
<223> ACETYLATION

<220>  
<221> MOD\_RES  
<222> (2)..(3)  
<223> BLOCKED

<400> 2

Lys Glu Asp Trp  
1